

Comparisons of Job Characteristics

Focus Occupation: [First-Line Supervisors of Farming, Fishing, and Forestry Workers \(45-1011\)](#)

Associated Occupation: [Forest and Conservation Workers \(45-4011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 56

Focus Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)

Associated Occupation: Forest and Conservation Workers (45-4011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	9.2	14.0	9.0	<<	Extensive education and/or training may be required
Geography	3.9	13.8	4.2	<<	Extensive education and/or training may be required
Biology	3.7	12.8	8.0	<<	Extensive education and/or training may be required
Administration and Management	8.4	11.7	11.2	0	Current knowledge level may be sufficient
Personnel and Human Resources	5.6	9.3	8.1	<	Expanded education and/or training may be required
Law and Government	5.9	9.0	5.6	<<	Extensive education and/or training may be required
Transportation	4.6	8.1	6.8	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)

Associated Occupation: Forest and Conservation Workers (45-4011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Management of Material Resources	3.7	5.5	8.8	>>	Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 88			
Focus Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011) Associated Occupation: Forest and Conservation Workers (45-4011)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Static Strength	5.0	10.5	8.0	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	9.8	9.1	0	Current ability level may be sufficient
Dynamic Strength	3.5	7.3	6.2	<	Some improvement in abilities may be required
Stamina	4.0	7.3	6.4	<	Some improvement in abilities may be required
Spatial Orientation	2.7	6.5	5.3	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 81
Focus Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011) Associated Occupation: Forest and Conservation Workers (45-4011)		
Work Activities	Exclusivity of Activity	
Identify crop characteristics	75	
Plant, cultivate, or harvest crops, including aquaculture	80	
Recognize plant diseases	72	
Recognize tree or forest plant species	78	
Understand second language	75	
Use chain saws	78	
Use herbicides, fertilizers, pesticides or related products	71	
Use plant disease control techniques	75	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 84
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Focus Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)
Associated Occupation: Forest and Conservation Workers (45-4011)

Tools and Technologies	Exclusivity
Agricultural machinery for harvesting	35
Agricultural machinery for planting and seeding	33
Agricultural machinery for soil preparation	35
Audio and visual equipment	4
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Dispensing tools	6
Dispersing and spraying appliances for agriculture	26
Earth moving machinery	11
Face and head protection	7
Forestry machinery and equipment	31
Forming tools	2
Garden tools	12
Heavy equipment components	21
Information exchange software	1
Measuring and layout tools	3
Personal communication devices	2
Power tools	2
Product and material transport vehicles	13
Pumps	9
Recreational watercraft	40
Specialized and recreational vehicles	17
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.